

10/540404

1/16

| | | | |
|---|---|---|---|
| B | G | B | G |
| G | R | G | R |
| B | G | B | G |
| G | R | G | R |

1

FIG. 1

2/16

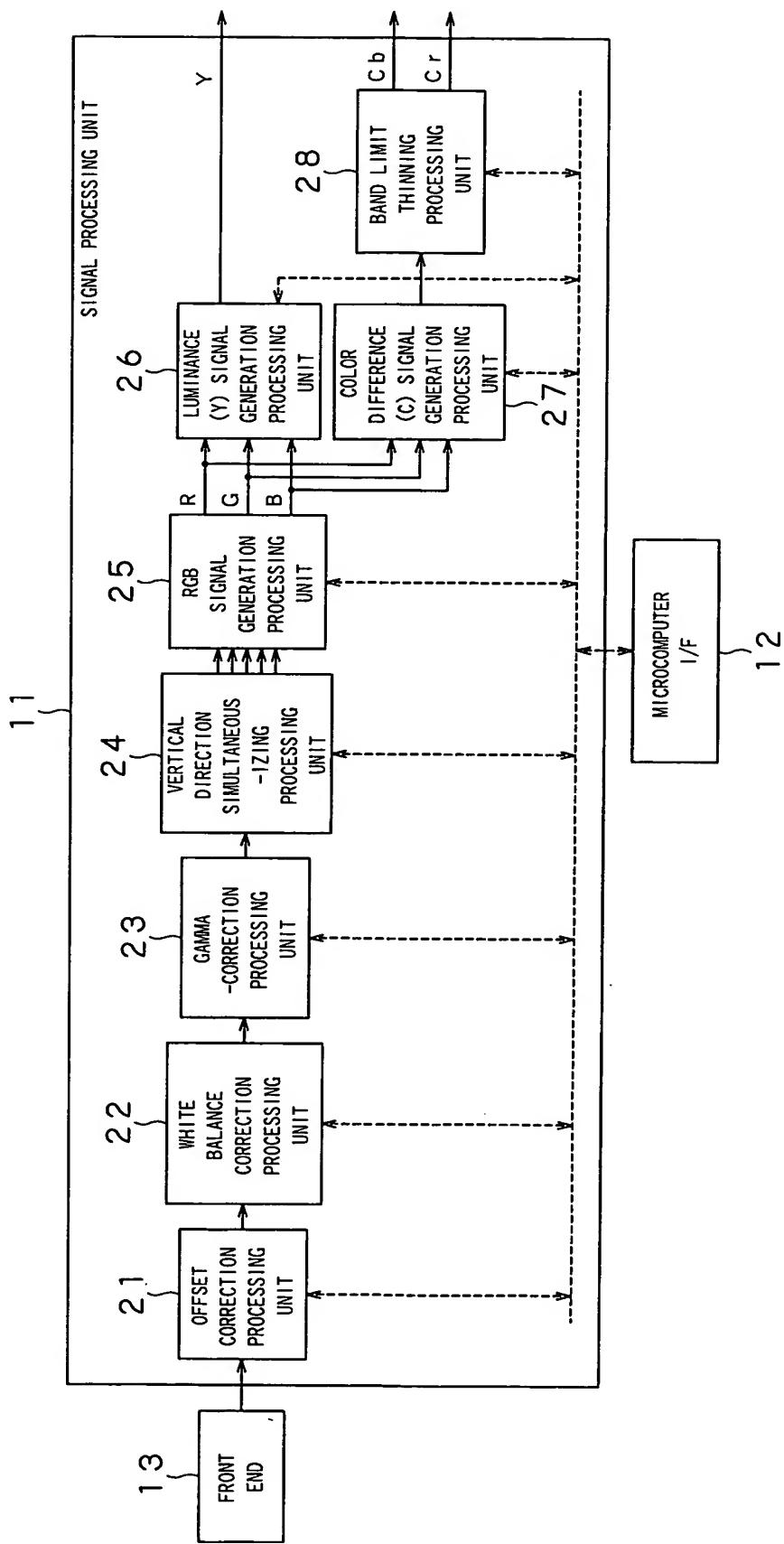


FIG. 2

3/16

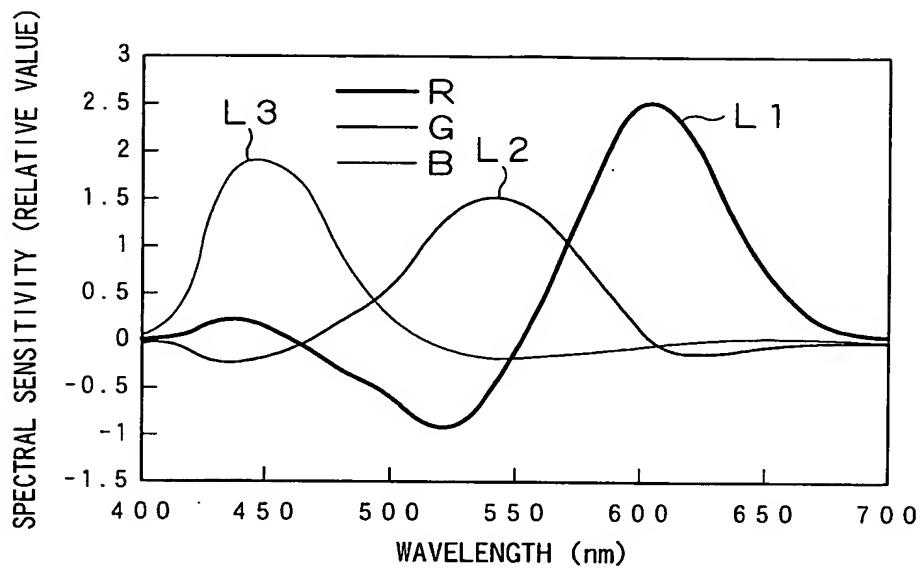


FIG.3

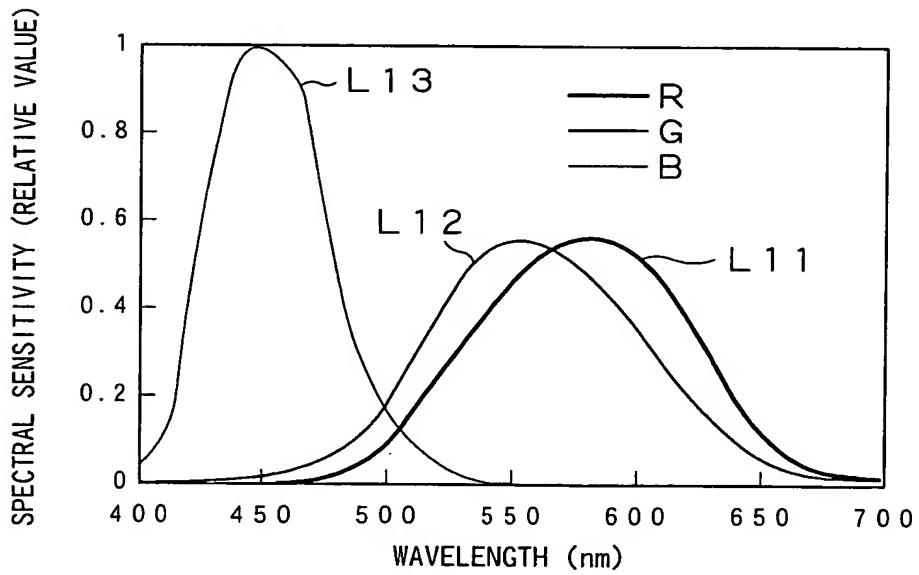


FIG.4

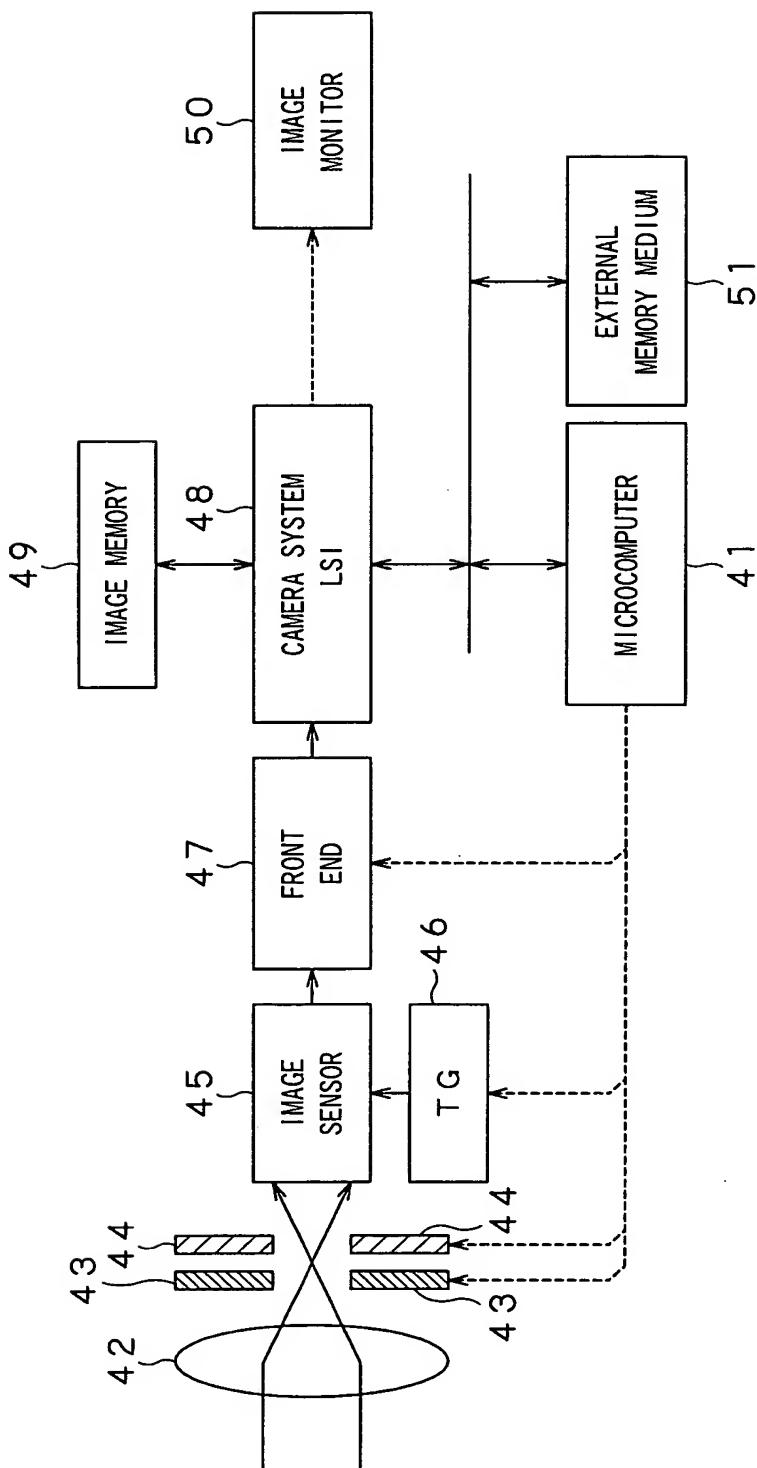


FIG. 5

10/540404

5/16

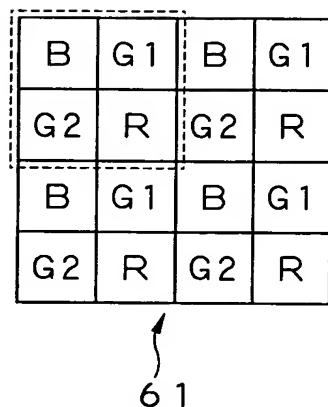


FIG.6

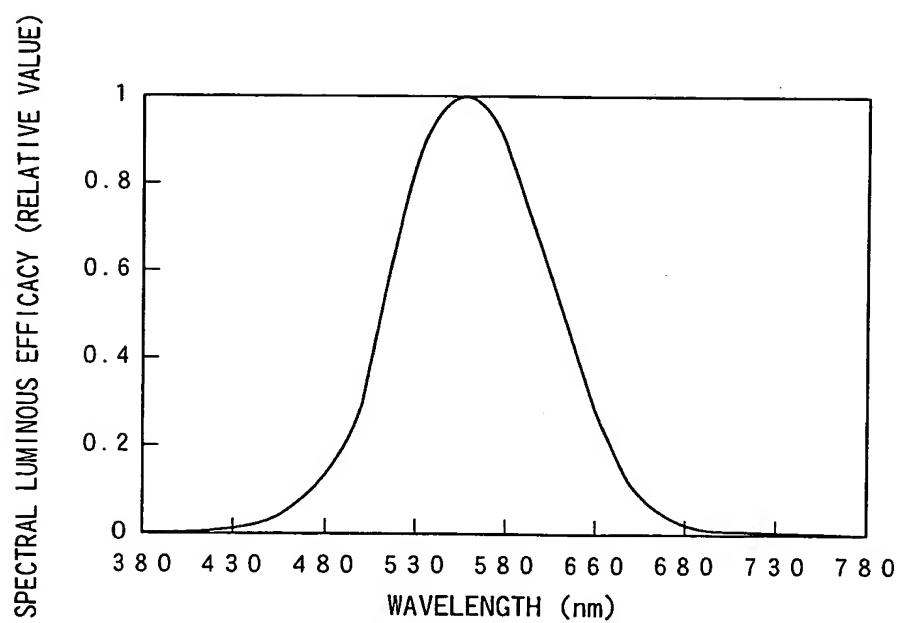


FIG.7

| EVALUATION COEFFICIENT NAME | NO. OF FILTERS WHICH CAN BE EVALUATED AT A TIME | TAKING INTO CONSIDERATION SPECTRAL REFLECTION FACTOR OF OBJECT | TAKING INTO CONSIDERATION NOISE REDUCTION |
|--------------------------------------|---|--|---|
| q - factor | 1 | X | X |
| μ - factor | PLURAL | X | X |
| FOM (Figure of Merit) | PLURAL | O | X |
| UMG (Unified Measure of Goodness) | PLURAL | O | O |

FIG.8

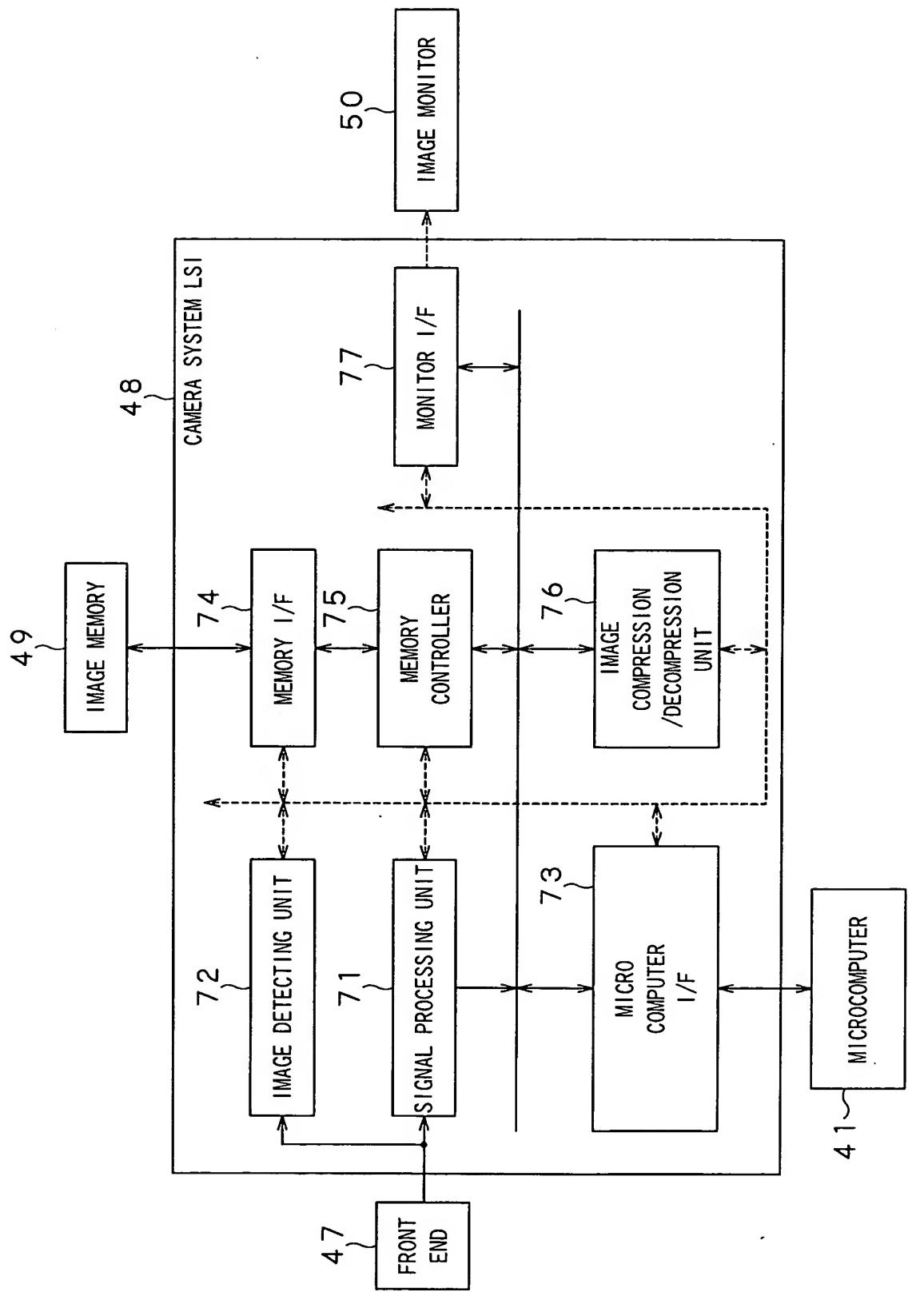


FIG. 9

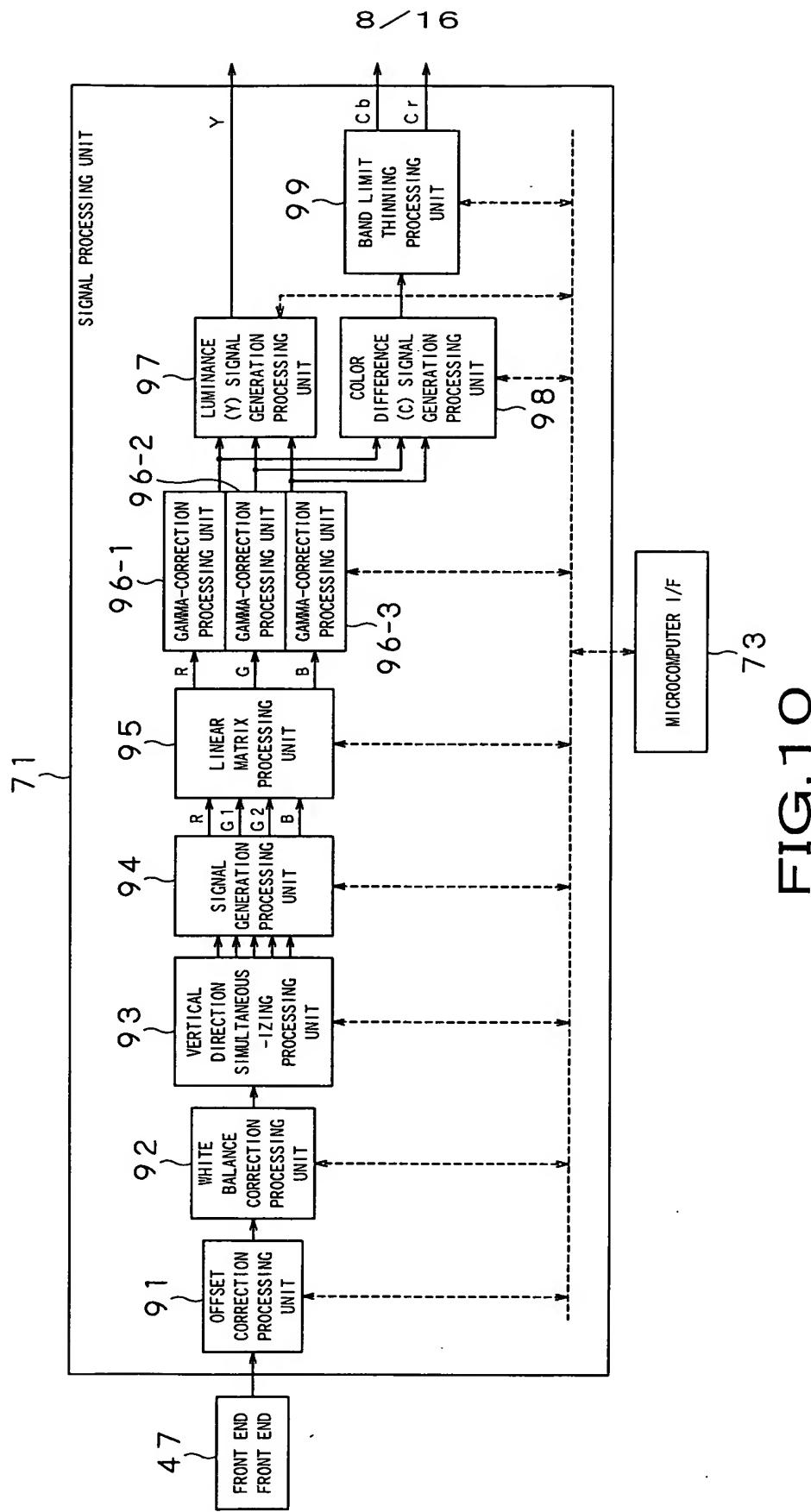


FIG. 10

10/540404

9/16

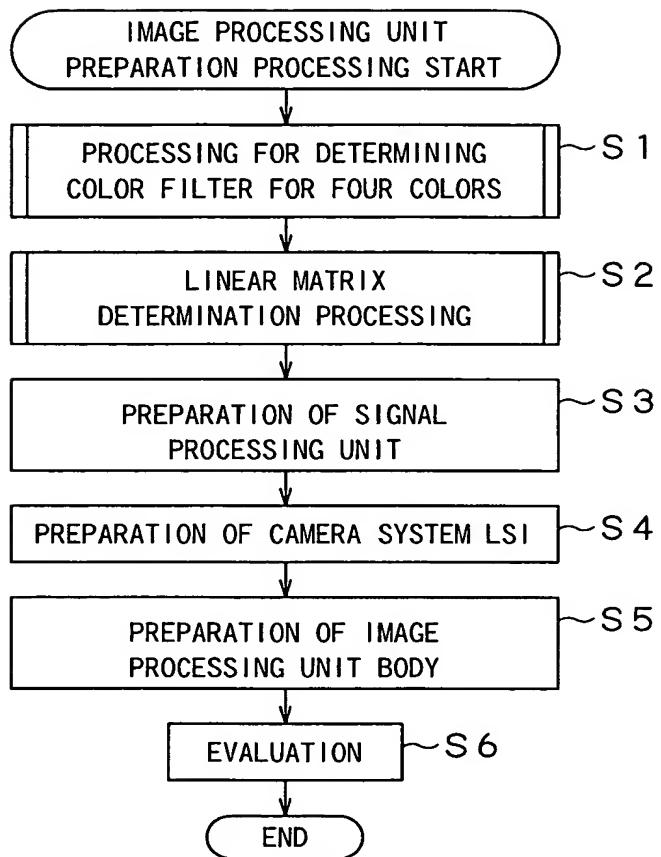


FIG. 1 1

10/16

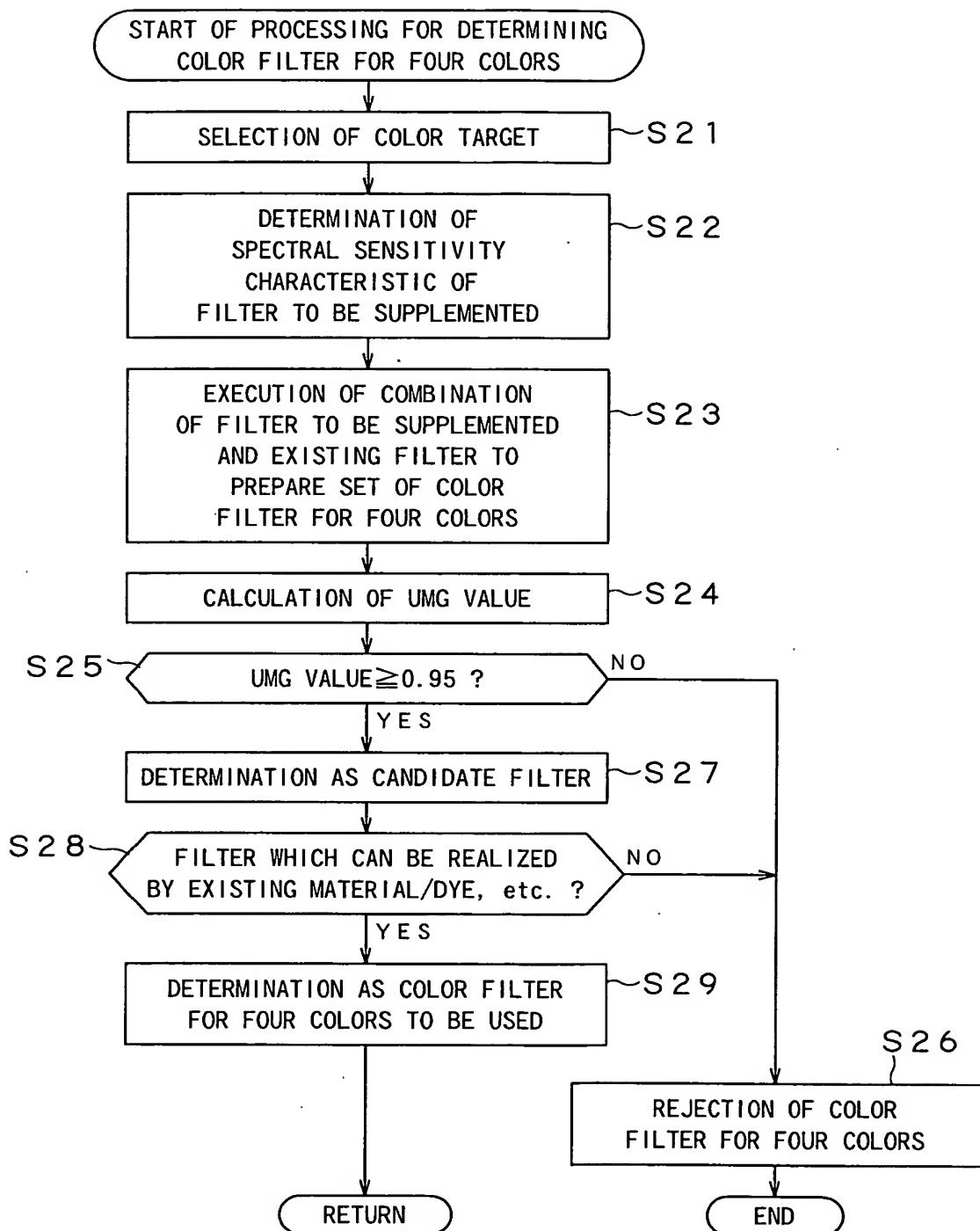


FIG.12

10/540404

11/16

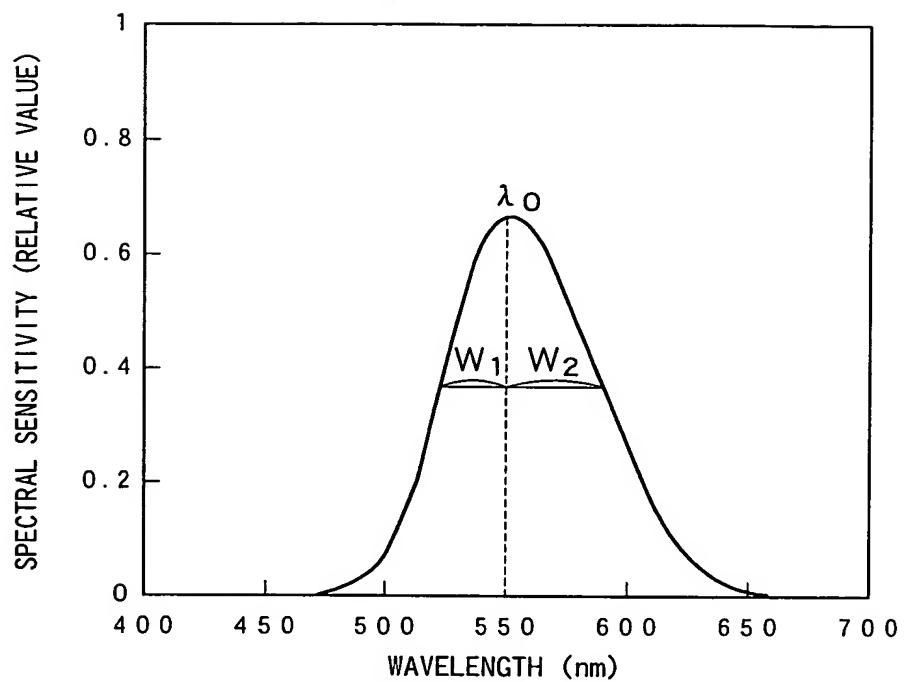


FIG. 13

12/16

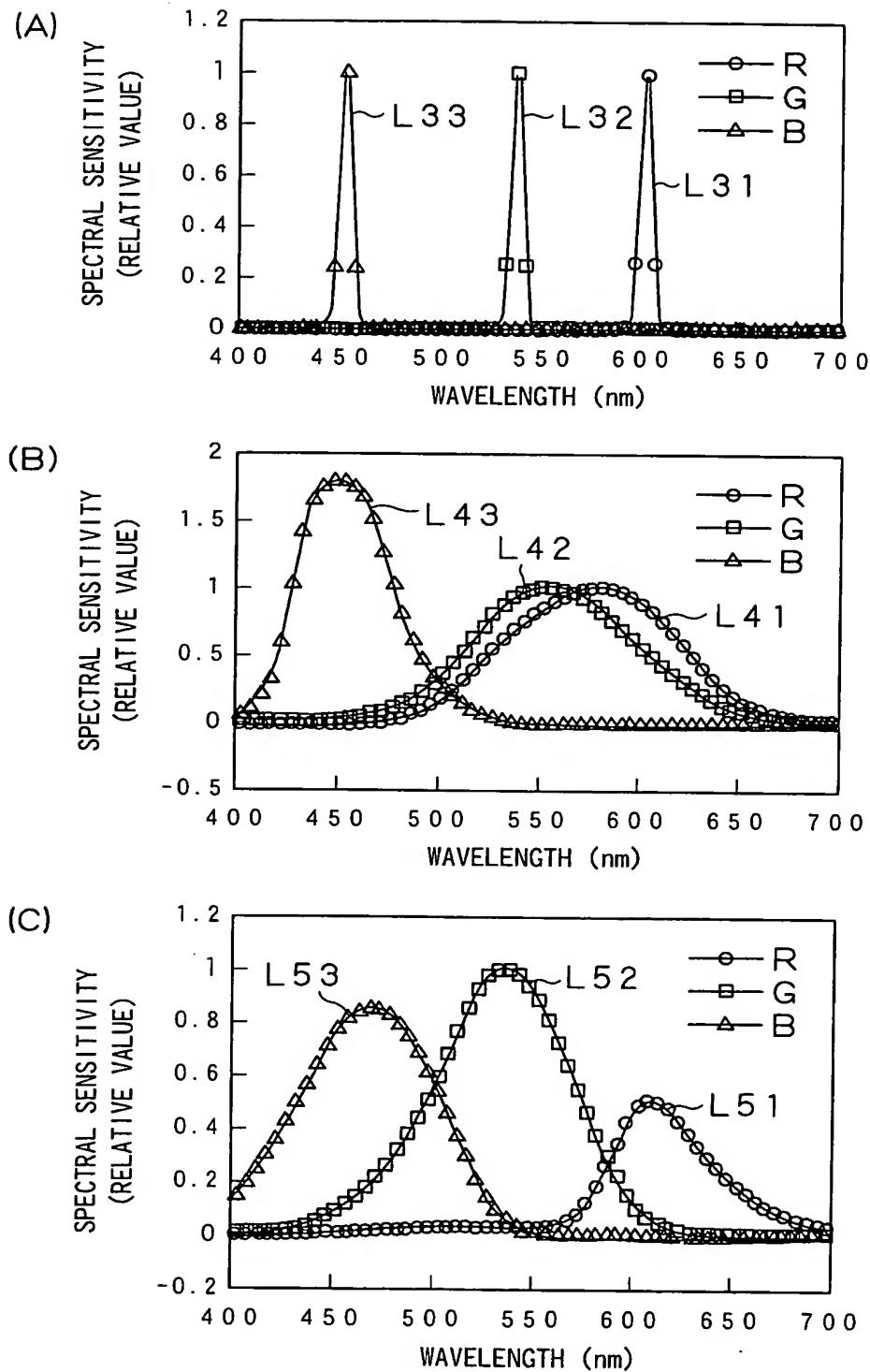


FIG. 14

10/540404

13/16

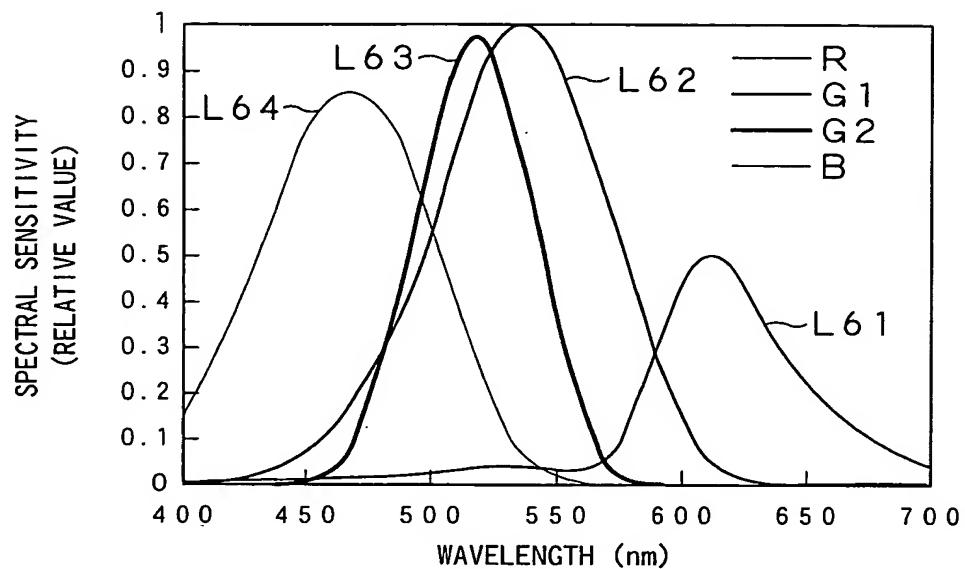


FIG. 15

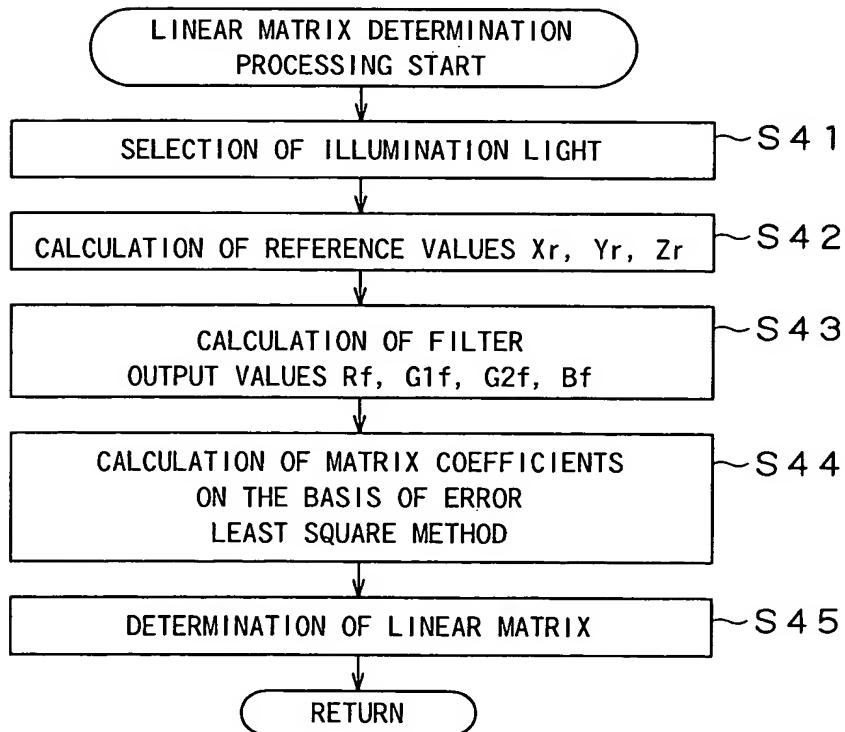


FIG. 16

10/540404

14/16

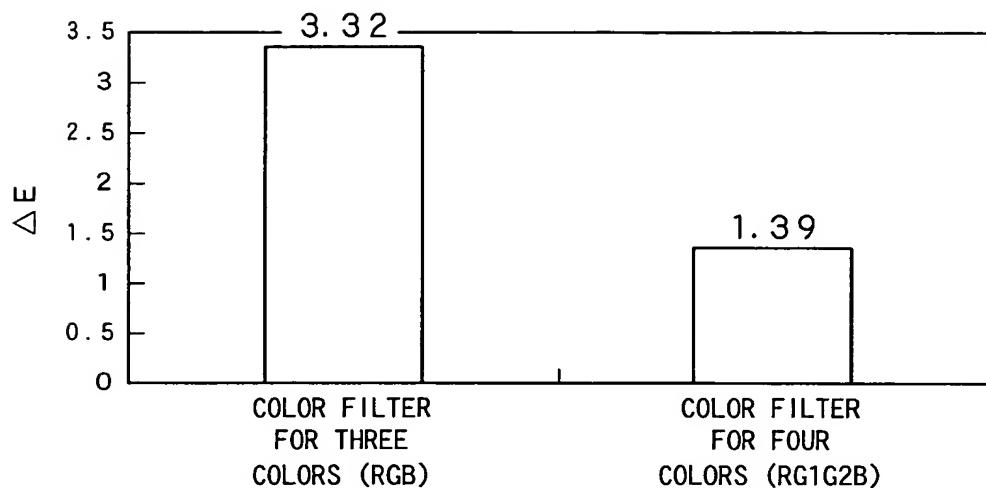


FIG. 17

| COLOR FILTER FOR FOUR FOUR COLORS HAVING SPECTRAL SENSITIVITY CHARACTERISTIC OF FIG. 15 | | R | G | B |
|--|--|------|------|-------|
| R 1 | | 49.4 | 64.1 | 149.5 |
| R 2 | | 66.0 | 63.7 | 155.6 |

FIG. 18

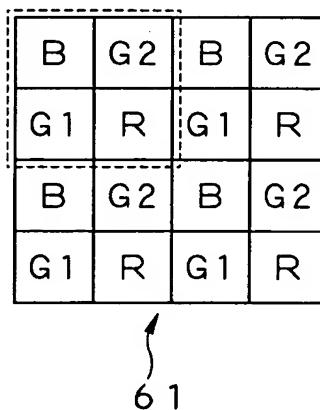


FIG. 19

15/16

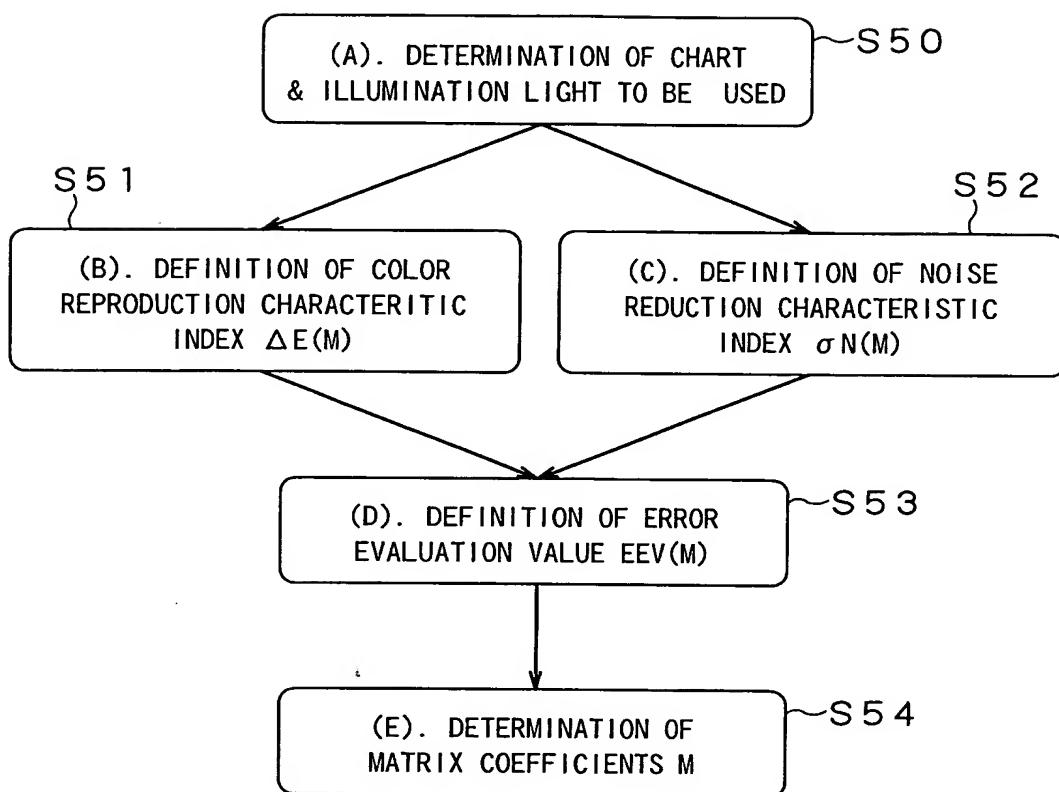


FIG.20

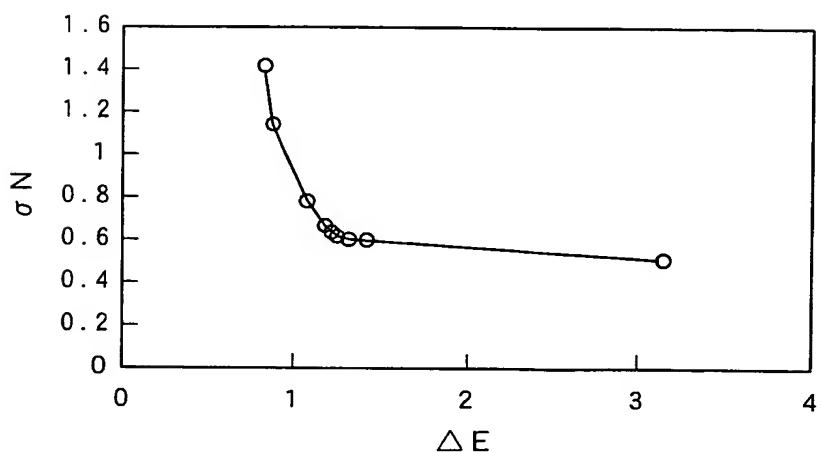


FIG.21

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16/16

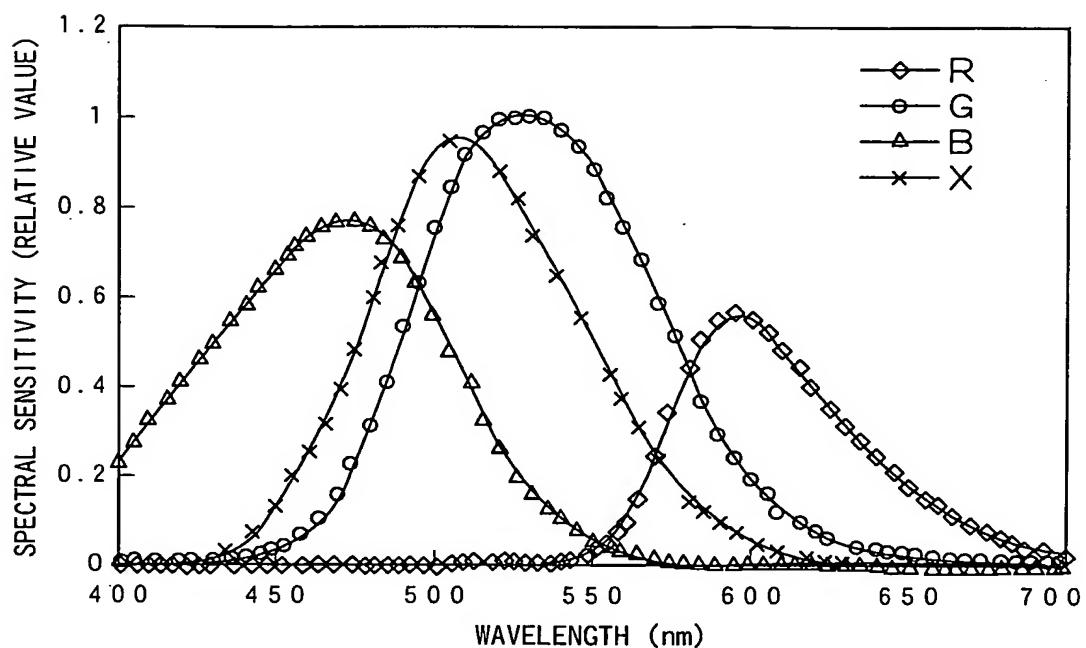


FIG.22

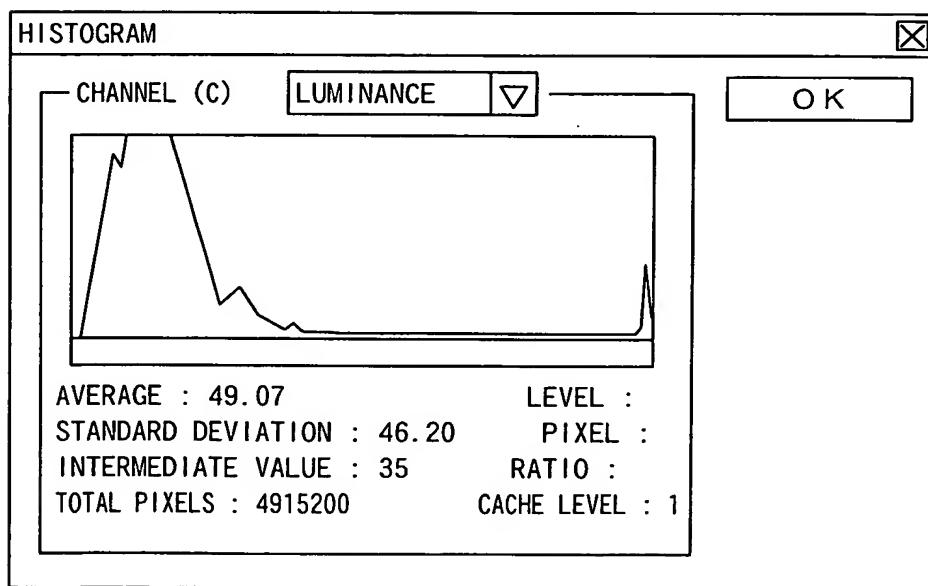


FIG.23